From the INTERNATIONAL SEARCHING AUTHORITY	PERATION TREATY
To: LEE, Won-Hee 8th Fl.Sung-ji Heights, II 642-16 Yoksam-dong Kangnam-ku Seoul 135-080 Republic of Korea	PCT WRITTEN OPINION OF THE INTERNATIONAL SEARCHING AUTHORITY (PCT Rule 43bis.1)
	Date of mailing (day/month/year) 30 MARCH 2005 (30.03.2005)
Applicant's or agent's file reference 4FPO-11-04	FOR FURTHER ACTION See paragraph 2 below
International application No. PCT/KR2004/003435 International filing da 24 DECEMBER International Patent Classification (IPC) or both national classifi	te (day/month/year) Priority date(day/month/year) 2004 (24.12.2004) 27 DECEMBER 2003 (27.12.2003)
IPC7 C07D 307/68 Applicant KOREA RESEARCH INSTITUTE OF CHEMIC	-
Box No. IV Lack of unity of invention Box No. V Reasoned statement under Rule 43bis.1(citations and explanations supporting suc Box No. VI Certain documents cited Box No. VII Certain defects in the international appli Box No. VIII Certain observations on the international	rd to novelty, inventive step and industrial applicability a)(i) with regard to novelty, inventive step or industrial applicability th statement
FURTHER ACTION If a demand for international preliminary examination is made, International Preliminary Examining Authority ("IPEA") except other than this one to be the IPEA and the chosen IPEA has not opinions of this International Searching Authority will not be so If this opinion is, as provided above, considered to be a written of IPEA a written reply together, where appropriate, with amendment of Form PCT/ISA/220 or before the expiration of 22 months from for further options, see Form PCT/ISA/220. For further details, see notes to Form PCT/ISA/220.	that this does not apply where the applicant chooses an Authority fied the International Bureau under Rule 66.1bis(b) that written considered. Spinion of the IPEA, the applicant is invited to submit to the
ne and mailing address of the ISA/KR	
Korean Intellectual Property Office 920 Dunsan-dong, Seo-gu, Daejeon 302-701, Republic of Korea	Yoon, Kyung Ae

Form PCT/ISA/237 (cover sheet) (January 2004)

Facsimile No. 82-42-472-7140

Telephone No. 82-42-481-5605

WRITTEN OPINION OF THE INTERNATIONAL SEARCHING AUTHORITY

International application No.

PCT/KR2004/003435

	f this opinion
1. With regard to which it was fil	he language, this opinion has been established on the basis of the international application in the language in ed, unless otherwise indicated under this item.
This opin	on has been established on the basis of a translation from the original language into the following language, which is the language of a translation furnished for the purposes of international search (under and 23.1(b)).
2. With regard to claimed invention	any nucleotide and/or amino acid sequence disclosed in the international application and necessary to the n, this opinion has been established on the basis of:
a. type of mater.	
	ce listing related to the sequence listing
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b. format of mate	
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c. time of filing/fu	nishing
	in the international application as filed.
filed toge	ther with the international application in computer readable form
[] furnished	subsequently to this Authority for the purposes of search.
In addition, in	the case that more than one version or community
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WRITTEN OPINION OF THE INTERNATIONAL SEARCHING AUTHORITY

International application No. PCT/KR2004/003435

Box No. V Reasoned statement under Rule 43bis.1(a)(i) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement

1. Statement			
Novelty (N)	Claims	1-10	YES
	Claims		NO
Inventive step (IS)	IS) Claims	1-10	YES
	Claims		NO
Industrial applicability (IA)	cability (IA) Claims	1-10	YES
	Claims		NO

2. Citations and explanations:

Reference is made to the following documents:

D1 = US 5627193 A (06. 05. 1997)

D2 = US 6630506 B1 (07. 10. 2003)

D3 = WO 03-101450 A1 (11. 12. 2003)

D4 = WO 99-33460 (08.07.1999)

The present invention relates to furancarbonylguanidine derivatives which can be used as a NHE-1 inhibitor, a preparation method thereof and a pharmaceutical composition comprising the same.

D1 discloses quinoline-4-carbonylguanidine derivative and a preparation method therof and a NHE inhibitor containing the same. D2 discloses acyl guanidines which are used as NHE inhibitors. D3 discloses N-((3-oxo 2,3-dihydro-1H-isoindol-1-yl)acetyl)guanidine derivatives as NHE-1 inhibitors for the treatment of infarction and angina pectoris. D4 discloses acyl guanidine sodium/proton exchange inhibitors and method.

1. Novelty

None of the prior art disclose the compound of formula(1) claimed in the present invention and their property. Therefore, the present invention seems to be novel(PCT Article 33(2)).

2. Inventive Step

Although D1-D5 disclose the compounds showing a similar pharmaceutical activity as the compounds of the present invention, neither structural variation nor combination of different structural features of compounds disclosed therein lead to the structural properties as those described in the present invention. Thus the present invention is regarded as being inventive according to PCT Article 33(3).